



Phone: College: 26340953, 26300251

Trust: 26390682, 26300707

# JAYA COLLEGE OF ARTS & SCIENCE

YOUR SUCCESS IS OUR SERVICE

Affiliated to the University of Madras

Accredited by NAAC

C.T.H. Road, Thiruninravur-602 024.

**Prof. Dr. A. KANAGARAJ**, M.A., M.Phil., Ph.D.,  
Chairman

**Er. K. NAVARAJ**, M. Tech.,  
Vice-Chairman

**Mrs. K. VIJAYAKUMARI**, M.A., B.Ed.,  
Secretary

**Dr. P. GUHAN**, M.C.A., M.Phil., Ph.D.,  
Principal

7.2

**Best Practices:** Describe two best practices successfully implemented by the Institution as per NAAC format provide Manual.

### **Mind Mapping and Diagrammatic Articulation of Ideas:**

During the academic session 2023-24, the IQAC introduced several quality initiatives to enhance teaching and learning, including mind mapping and diagrammatic articulation of ideas. These techniques have proven effective for both teachers and learners, helping to improve students' learning experiences. Mind mapping is now implemented across all departments, encouraging students to actively participate in constructing their own mental models. This approach aligns with the constructivist model, where students take responsibility for their learning rather than being passive recipients. Teachers support this process by using mind mapping and visual representations to help students build their understanding effectively.

### **Skill-Development Centre:**

The Skill-Development Centre provides a platform for students to showcase their learning. Commerce students manage events where they present their talents, abilities, and entrepreneurial skills, particularly in marketing. Faculty members provide guidance and support, empowering students to take ownership of their learning and develop practical skills. For science students, the Centre offers opportunities to present their research and projects, fostering innovation, problem-solving, and real-world applications in scientific fields. This initiative helps students gain hands-on experience and encourages them to take responsibility for their learning.



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Principal

## 7.2 Best Practices

### 1. Title of Best Practice:

**TEACHING-LEARNING PROCESS:**

- ✓ **Mind mapping method and diagrammatic articulation of ideas.**



Mind mapping and diagrammatic articulation of ideas done by I B.Com Business Management Students.





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Mind mapping done by II B. Sc Bio Technology



Diagrammatic articulation of ideas done by I B. Sc Bio Technology Students.





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Diagrammatic articulation of ideas done by II B. Sc Bio Technology Students.





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## SKILL DEVELOPMENT CENTER:



## DEPARTMENT OF PHYSICS:



Diffraction grating wavelength of Mercury Spectrum.



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## DEPARTMENT OF MICROBIOLOGY



A group of students is conducting an engaging poster presentation on “**The Importance of Medicinal Plants**” for the freshers. The poster highlights the therapeutic benefits of common plants like **Aloe Vera**, **Tulsi**, **Turmeric**, and **Ginger**, emphasizing their historical use in traditional medicine and modern-day applications. The students are demonstrating live how to extract **Aloe Vera gel**, prepare **herbal teas** using **Tulsi** and **Ginger**, and make natural balms with **Calendula**. This hands-on demo not only informs but also allows the freshers to experience the healing properties of these plants firsthand, fostering a deeper understanding of the natural remedies that have been used for centuries.



Poster presentation based on “The importance of Medicinal plants”



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## DEPARTMENT OF BIO-CHEMISTRY AND CHEMISTRY



In the college laboratory, gel electrophoresis is an essential and commonly taught technique in fields such as molecular biology, biochemistry, genetics, and biotechnology. A hand-on training session was conducted by third-year students to help junior students understand both the theoretical and practical aspects of gel electrophoresis.

